INTERNATIONAL PARTNERSHIPS

SSERVI has an international partnership program that provides collaborative opportunities for the global science community. Proposals that demonstrate collaborative intentions and clear goals aligned with the U.S. teams can be accepted for Affiliate or Associate partnerships. allowing participation in SSERVI programs on a no-exchange-of-funds basis. Contact the Central Office for additional information.



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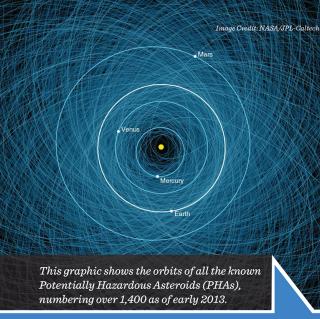
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SOLAR SYSTEM EXPLORATION RESEARCH VIRTUAL INSTITUTE

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TEAMS

Evolution and Environment of Exploration Destinations: Science and Engineering Synergism (SEEED) Prof. Carlé Pieters

Brown University, Providence, RI

Center for Lunar Science and Exploration (CLSE) Dr. David A. Kring

Lunar and Planetary Institute, Houston, TX

Institute for Modeling Plasma, Atmospheres and Cosmic Dust (IMPACT)

Dr. Mihaly Horanyi University of Colorado, Boulder, CO

Field Investigations to Enable Solar System Science and Exploration (FINESSE) Dr. Jennifer L. Heldmann

NASA Ames Research Center, Moffett Field, CA

Remote, In Situ and Synchrotron Studies for Science and Exploration (RIS4E) Prof. Timothy Glotch Stony Brook University, Stony Brook, NY

Dynamic Response of Environments at Asteroids, the Moon, and moons of Mars (DREAM2) Dr. William Farrell

NASA Goddard Space Flight Center, Greenbelt, MD

Volatiles, Regolith and Thermal Investigations Consortium for Exploration and Science (VORTICES) Dr. Ben Bussev

Johns Hopkins Univ. Applied Physics Laboratory, Laurel, MD

Center for Lunar and Asteroid Surface Science (CLASS) Prof. Daniel Britt University of Central Florida, Orlando, FL

Institute for the Science of Exploration Targets: Origin, Evolution and Discovery (ISET) Dr. William Bottke

Southwest Research Institute, Boulder, CO

SCIENCE

SSERVI teams conduct innovative, broadly based research programs addressing basic and applied scientific questions fundamental to understanding the nature of the Solar System, the Moon, near-Earth asteroids, Phobos and Deimos, and the near-space environments of these target bodies, to enable human exploration of these destinations.

GOALS

The Solar System Exploration Research Virtual Institute is a virtual institute comprised of competitively selected teams across the U.S., a growing number of international partnerships around the world, and a small central office located at NASA Ames Research Center, Moffett Field, California. SSERVI is jointly funded through the NASA Science Mission Directorate and the NASA Human Exploration and Operations Mission Directorate with the goal of bridging science and exploration.

As a predecessor to SSERVI, the NASA Lunar Science Institute developed a wide, diverse program for scientific engagement that will continue to grow under the SSERVI banner.

"The true spirit of this endeavor is that exploration enables science, and science enables exploration." In memory of Dr. Michael Wargo (1951-2013), Former NASA Chief Exploration Scientist.

MISSION

- Advance basic and applied research fundamental to lunar and planetary science, and advance human exploration of the solar system through scientific discovery
- Conduct and catalyze collaborative research in lunar and planetary science, enabling cross-disciplinary partnerships throughout the science and exploration communities
- Provide scientific, technical and mission-defining analyses for relevant NASA programs, planning and space missions as requested by NASA
- Explore innovative ways of using information technology for scientific collaboration and information dissemination across geographic boundaries
- Train the next generation of scientific explorers through research opportunities, and encourage global public engagement through informal programs, and participatory public events

COLLABORATION

SSERVI uses collaborative technologies to share scientific results through meetings in virtual space. To engage the exploration and science community, SSERVI Central sponsors focus groups and hosts the annual Science Forum. Reaching out, SSERVI partners engage their local communities through frequent public events, such as the International Observe the Moon Night with over 500 events in 52 countries.

















